Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/02/2020 10:30 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126263	1	3.07	126314	3.07
Blue	F	SSC	125000	125382	0	2.07	126169	2.09
Blue	E	FITC	15892	15604	-2	2.92	341	20.92
Blue	D	PE	29999	29616	-2	2.08	645	15.28
Blue	B	PerCP-Cy5-5	43732	43462	-1	3.91	1168	21.57
Blue	A	PE-Cy7	30845	30913	0	6.44	583	43.18
Red	C	APC	46112	44745	-3	2.52	1587	12.05
Red	A	APC-Cy7	30458	29151	-5	2.40	771	12.05
Violet	B	V450	7918	7637	-4	4.08	431	13.03
Violet	A	V500	32171	31102	-4	3.77	726	10.25

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17225	16.68	656	35	N/A	N/A	Pass
Blue	F	SSC	57225	1.47	583	24	N/A	N/A	Pass
Blue	E	FITC	62	67.39	555	12	0.0185	171	Pass
Blue	D	PE	134	53.06	561	13	0.1597	317	Pass
Blue	B	PerCP-Cy5-5	213	53.02	669	13	0.0080	59	Pass
Blue	A	PE-Cy7	106	112.68	715	17	0.0101	29	Pass
Red	C	APC	377	25.56	590	6	0.0251	198	Pass
Red	A	APC-Cy7	169	30.07	561	5	0.0057	1427	Pass
Violet	B	V450	65	57.91	461	3	0.0474	1686	Pass
Violet	A	V500	109	30.48	477	3	0.0224	332	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.68	-32.22	1.02
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	15.97	13.60 - 20.40	N/A	N/A	29.58	30.07	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10632

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments